NAGDEV PRODUCTS

OFFICIAL TECHNICAL DATA SHEET

Document Ref: NPPL-TDS-14
Brand: NDEVOLEO™ DCO
Origin: North Gujarat Castor Belt, India

Dehydrated Castor Oil (DCO)

CASTOR OIL DERIVATIVES · PROPRIETARY GRADE: NDEVOLEO™ DCO

CAS Number:	64147-40-6	HS Tariff Code:	1518.00
Physical Form:	Liquid	Typical Colour:	Pale Yellow to Amber
Feedstock / Raw Material:	Refined Castor Oil	Shelf Life:	18-24 months
Commercial Status:	Regular Supply	Quality System:	In-house plant QA testing with COA per lot

TYPICAL SPECIFICATION (INDICATIVE)

SR. NO.	TEST PARAMETER	SPECIFICATION
1	Appearance	Clear to Slightly Hazy Viscous Liquid
2	Colour, Gardner	6.0 Max
3	Acid Value, mg KOH/g	5.0 Max
4	Iodine Value, g I_2/100g	125 – 140
5	Hydroxyl Value, mg KOH/g	25 Max
6	Saponification Value, mg KOH/g	185 – 195
7	Specific Gravity at 30°C	0.930 – 0.940
8	Refractive Index at 40°C	1.473 – 1.478
9	Viscosity at 25°C	1.5 – 2.5 Poise
10	Moisture & Volatile Matter, %	0.50 Max
11	Unsaponifiable Matter, %	1.0 Max
12	Conjugated Diene Content, %	26% Min (Typically 26% – 32% or per customer specification)

Values are typical for this grade. Results for each lot are reported on its COA; specifications can be agreed per contract.

STANDARD PACKAGING & BULK LOGISTICS

Bulk in ISO Tank / Flexi Tank • 200 kg HDPE / MS Drums • 1,000 kg IBC • Bulk in Vessel for large-volume shipments (20-22 MT) • Or as recommended / specified by client

TARGET INDUSTRIAL APPLICATIONS

Dehydrated Castor Oil (NDEVOLEO™ DCO) is a drying oil with conjugated double bonds (appearance: clear to slightly hazy, as per specification) in regular commercial supply. It is used as a binder in architectural enamels, quick-set printing inks, and clear varnishes, supplied from our plant at Deodar, Gujarat, with a COA per lot.

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Disclaimer: The specifications above reflect typical quality values. Every shipment is accompanied by a batch Certificate of Analysis (COA). HS tariff classification is indicative; final code confirmed at time of export.

Nagdev Products Pvt. Ltd.
Quality Assurance Laboratory